

Li ion Storage for Decarbonization of the Industrial Sector

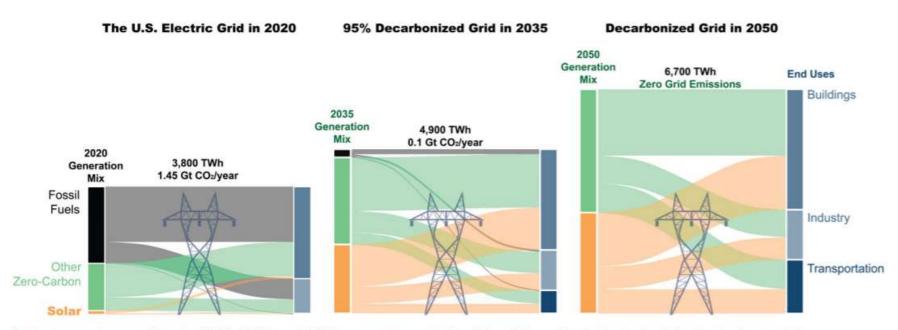
Jamie Link

VP, Solar & Storage Product Management

Feb 9, 2022



Storage contributes to Industrial Decarbonization by Facilitating Higher Levels of Renewables Penetration on the Grid

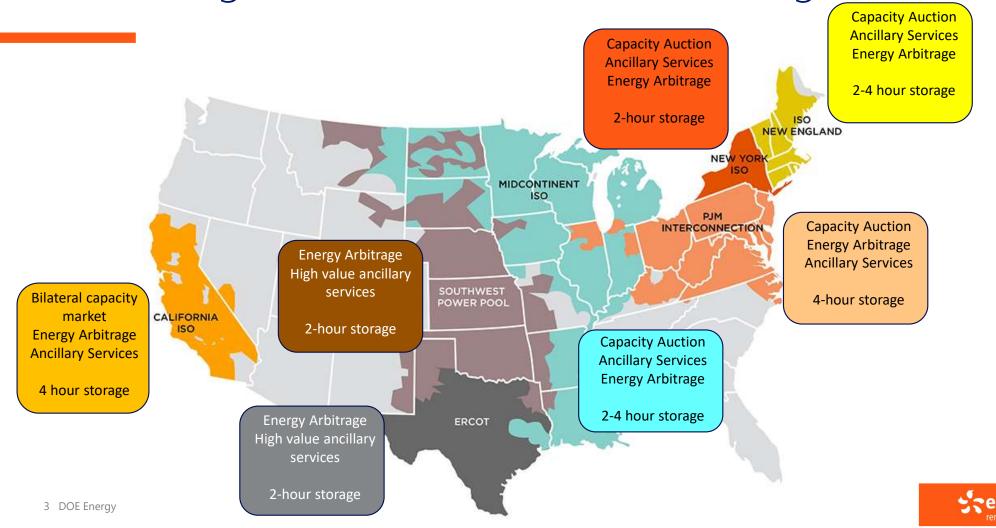


Grid mixes and energy flows in 2020, 2035, and 2050, as envisioned in the Solar Futures Study. Newly electrified loads from buildings, transportation, and industrial sectors mean that the electric grid will deliver more energy in 2035 and 2050. This energy will come almost entirely from solar and other zero-carbon sources.

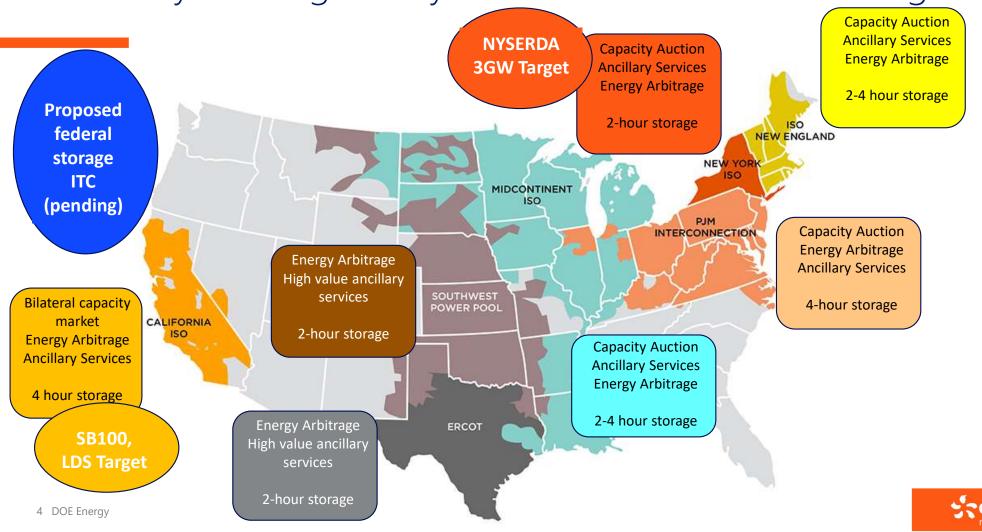
Source: DOE Solar Future Studies Fact Sheet



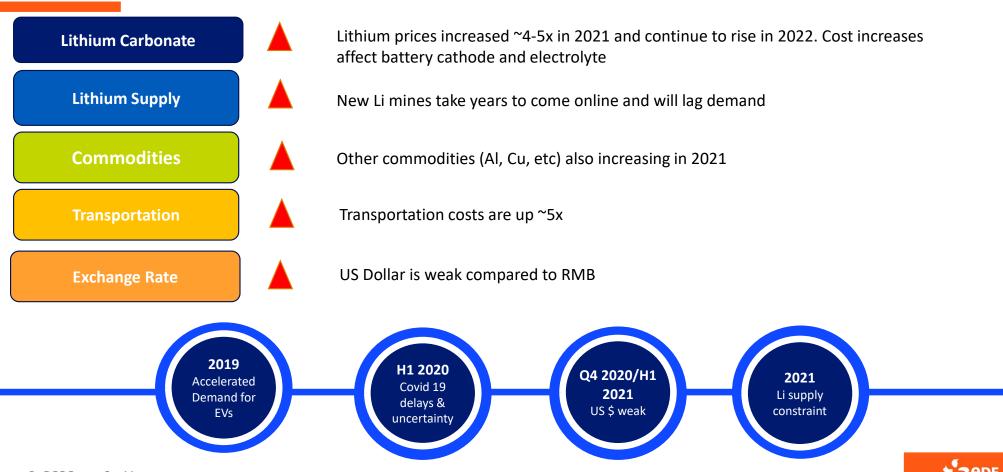
Existing Market Mechanisms for Storage



Policy and regulatory drivers boost value of storage



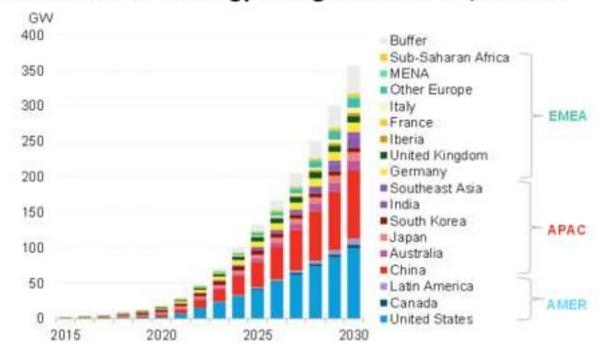
Recent Li Ion Battery cost increases





Demand for Li continues to grow

Global cumulative energy storage installations, 2015-30



US and China dominate growth through 2030

However, projections indicate stationary storage will remain about 10% of total Li battery market share

Li cost increases may disproportionately affect the stationary market...potentially accelerating adoption of alternate storage technologies

Source: Bloomberg NEF

